

## Tropical Storm (TS) 05W (Linfa)



First Poor : 1900Z 23 May 03

First Fair : 0600Z 24 May 03

First TCFA : 1900Z 24 May 03

First Warning : 0000Z 25 May 03

Last Warning : 1800Z 30 May 03

Max Intensity : 60 kts, gusts to 75 kts

Landfall : Near Dagupan, Philippines

Total Warnings : 24

Remarks:

1) Tropical Storm (TS) 05W formed west of Luzon, Philippines and intensified slowly as it looped counter-clockwise in the South China Sea. Subsequently, the cyclone began to move east, toward Luzon island, in apparent response to westerly steering flow.

The cyclone made landfall near Dagupan, Philippines, weakened due to land effects and then moved east into the Philippine Sea. After moving back over water, the cyclone began to move north-northeast with most of the heavy convection stripped from the cyclone. Subsequently, the cyclone began to slowly intensify reaching maximum intensity of 55 knots as it tracked north, along the eastern periphery of the Ryuku Islands.

Of note, one U. S. Air Force weather reconnaissance mission with a WC-130 aircraft was flown into this cyclone and an aircraft fix was made at 0446Z on 30 May 2003. Data from this mission supported available radar and satellite data for the same period.

After 0000Z on the 30th, extratropical influences began to affect this cyclone and transition for an extratropical cyclone occurred shortly after 1800Z on 30 May in the Bungo Strait region between Kyushu and Shikoku.

2) No damage reports were received associated with this system.

# Statistics for JTWC on TS 05W

Statistics for JTWC on TS 05W																				
	WRN	BEST TRACK			POSITION ERRORS								WIND ERRORS							
DTG	NO.	LAT	LONG	wind	00	12	24	36	48	72	96	120	00	12	24	36	48	72	96	120
03052406		15.5N	118.7E	20																
03052412		16.0N	118.8E	20																
03052418		16.3N	118.8E	20																
03052500	1	16.5N	118.6E	25	0	29	57	30	29	187			0	0	-10	0	-5	-10		
03052506	2	16.5N	118.3E	30	8	18	6	19	62	185			0	-5	5	0	0	-10		
03052512	3	16.4N	118.1E	30	8	8	12	24	24	187			0	-5	0	-10	-10	5		
03052518	4	16.1N	118.1E	45	18	6	8	25	71	181	238	420	0	5	10	10	-5	10	-25	-10
03052600	5	16.0N	118.4E	45	13	31	50	107	179	292	251		0	10	10	25	0	10	-25	
03052606	6	16.1N	118.7E	45	11	26	70	145	200	346	619		0	0	20	5	-5	0	-25	
03052612	7	16.1N	119.0E	45	8	6	58	119	194	268	482		0	0	-5	-5	5	0	0	
03052618	8	16.1N	119.4E	55	0	34	91	141	210	316	566		0	0	0	5	20	10	30	
03052700	9	16.1N	119.8E	55	0	59	97	172	244	345			0	10	10	25	35	30		
03052706	10	16.1N	120.8E	45	17	48	98	178	235	368			0	0	10	20	25	20		
03052712	11	16.3N	121.8E	35	8	37	131	206	251	405			0	10	15	20	20	20		
03052800	12	17.4N	123.7E	30	62	142	209	230	281				-5	0	0	0	0			
03052806	13	18.8N	124.0E	30	85	122	156	160	169				-5	0	0	-10	0			
03052812	14	19.7N	125.0E	30	101	175	203	234	266				-5	-5	-10	-15	-15			
03052818	15	20.8N	125.6E	30	161	167	187	254	331				-5	0	-15	-15	-15			
03052900	16	21.8N	126.3E	35	40	73	80	21					-10	-10	-15	-25				
03052906	17	22.6N	127.2E	35	12	57	51	19					0	-10	-10	-5				
03052912	18	23.4N	128.1E	45	18	36	22						-5	-10	-10					
03052918	19	24.4N	129.3E	55	6	20	54						0	0	0					
03053000	20	25.8N	130.1E	55	13	48							0	0						
03053006	21	27.8N	131.0E	55	28	68							5	10						
03053012	22	29.9N	131.6E	55	16								0							
03053018	23	32.0N	132.0E	50	0								0							

			AVERAGE		28	58	86	123	183	280	431	420	2	4	8	11	11	11	21	10
			BIAS										-1	0	0	1	3	8	-9	-10
			# CASES		23	21	19	17	15	11	5	1	23	21	19	17	15	11	5	1

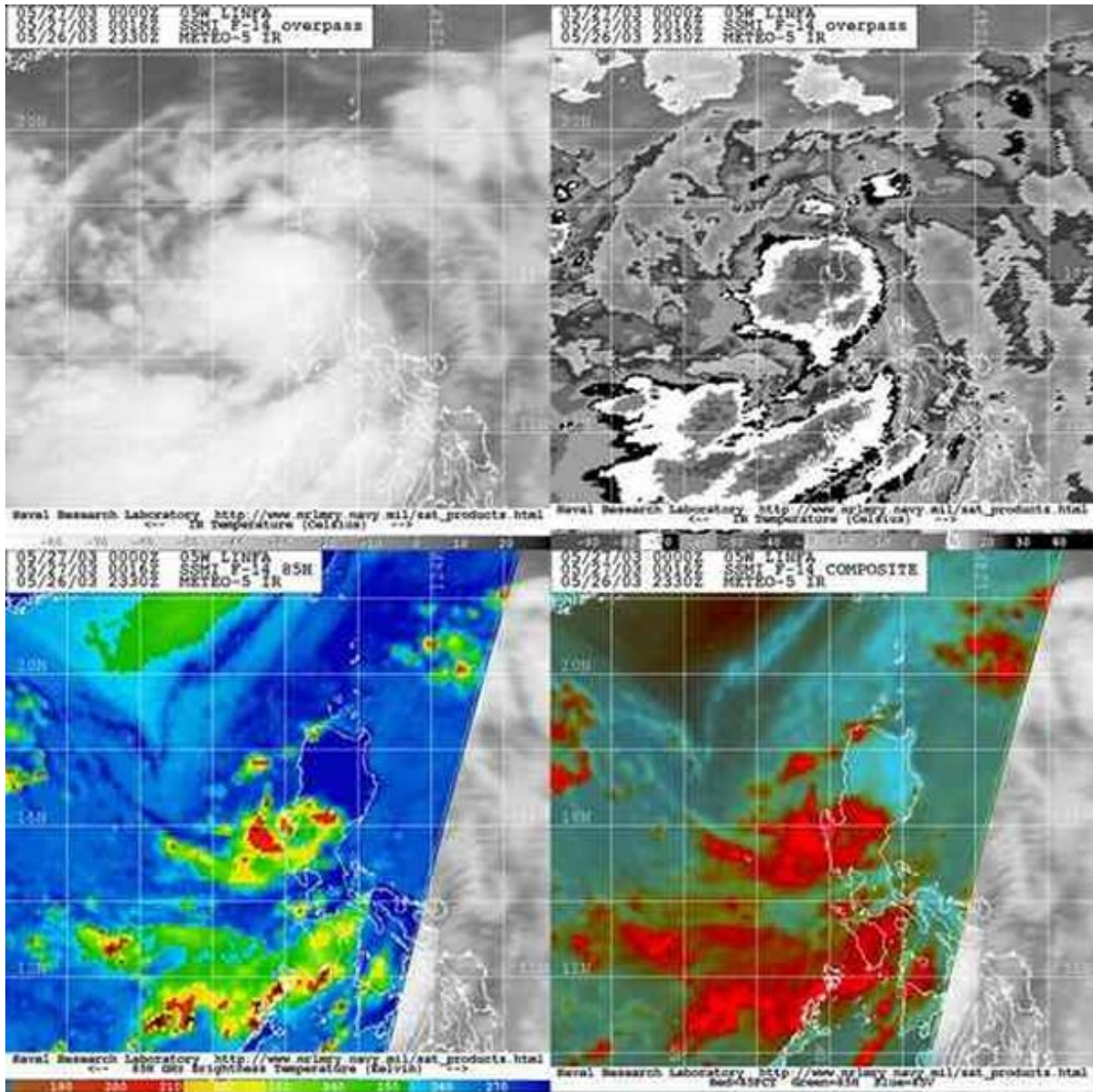
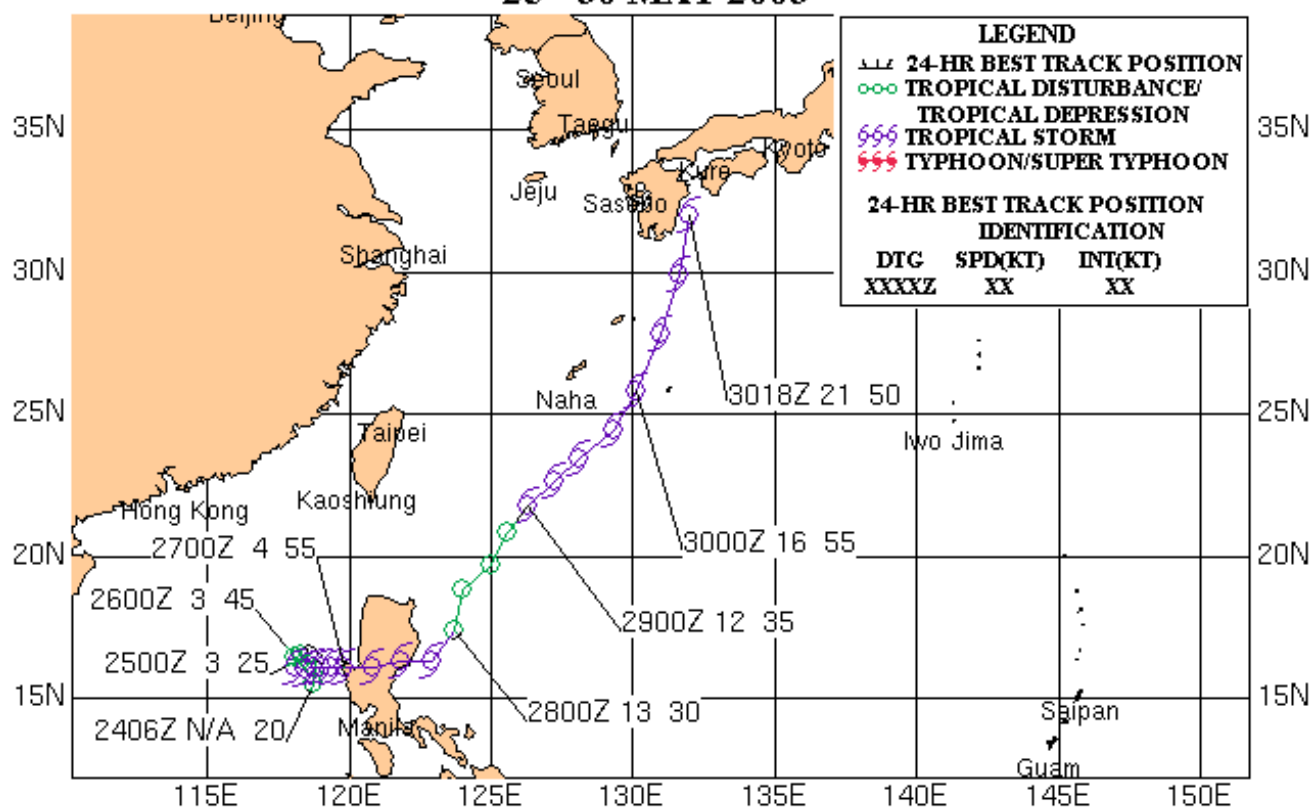


Figure 1-05W-1. 270016Z May 2003 multi-sensor satellite images of TY 05W (Linfa), located along the west coast of Luzon, with a peak intensity of 55 knots.

# TROPICAL STORM 05W (LINFA)

25 - 30 MAY 2003



# Time Intensity for 05W

Intensity (kts)

